Hospital Based Rotavirus & Intussusception Surveillance in Bangladesh
(HBRIS)
Monthly Report, July 2017

☞ Name, location and starting month of HBRIS hospitals

Sl.no.	Name of the hospitals	Location	Surveillance start	Current status
01.	Jahurul Islam Medical College Hospital (JIMCH)	Kishoregonj	July'12	Ongoing
02.	Rajshahi Medical College Hospital (RMCH)	Rajshahi	July'12	Ongoing
03.	Jalalabad Ragib-Rabeya Medical College Hospital (JRRMCH)	Sylhet	July'12	Ongoing
04.	World Mission Prayer League (LAMB)	Dinajpur	Febuary'13	Closed in June'15
05.	Bangabandhu Memorial Hospital (BBMH)	Chittagong	Febuary'13	Ongoing
06.	Jessore General Hospital (JGH)	Jessore	August'13	Ongoing
07.	Sher-e-Bangla Medical College Hospital (SBMCH)	Barisal	August'13	Ongoing
08.	Rangpur Medical College Hospital (RpMCH)	Rangpur	January'16	Ongoing

☞ Proportion of children aged <5 years hospitalized with acute gastroenteritis (AGE) with evidence of rotavirus infection and number of intussusception cases aged <2 years during July 2017, by hospital

Hospital name	Rotavirus			Intussusception confirmed[⌖]
	AGE[¶]	Sampled[Ŧ]	Positive (%)	
RMCH	68	17	02(12%)	03
JIMCH	45	12	05(42%)	-
JRRMCH	30	07	05(71%)	03
BBMH	17	05	04(80%)	-
JGH	35	09	01(11%)	-
SBMCH	94	24	13(54%)	01
RpMCH	16	04	-	01
Cumulative Total	305	78	30(38%)	08

☞ Distribution of acute gastroenteritis (AGE), rotavirus and intussusception cases, by age group and sex, July 2017

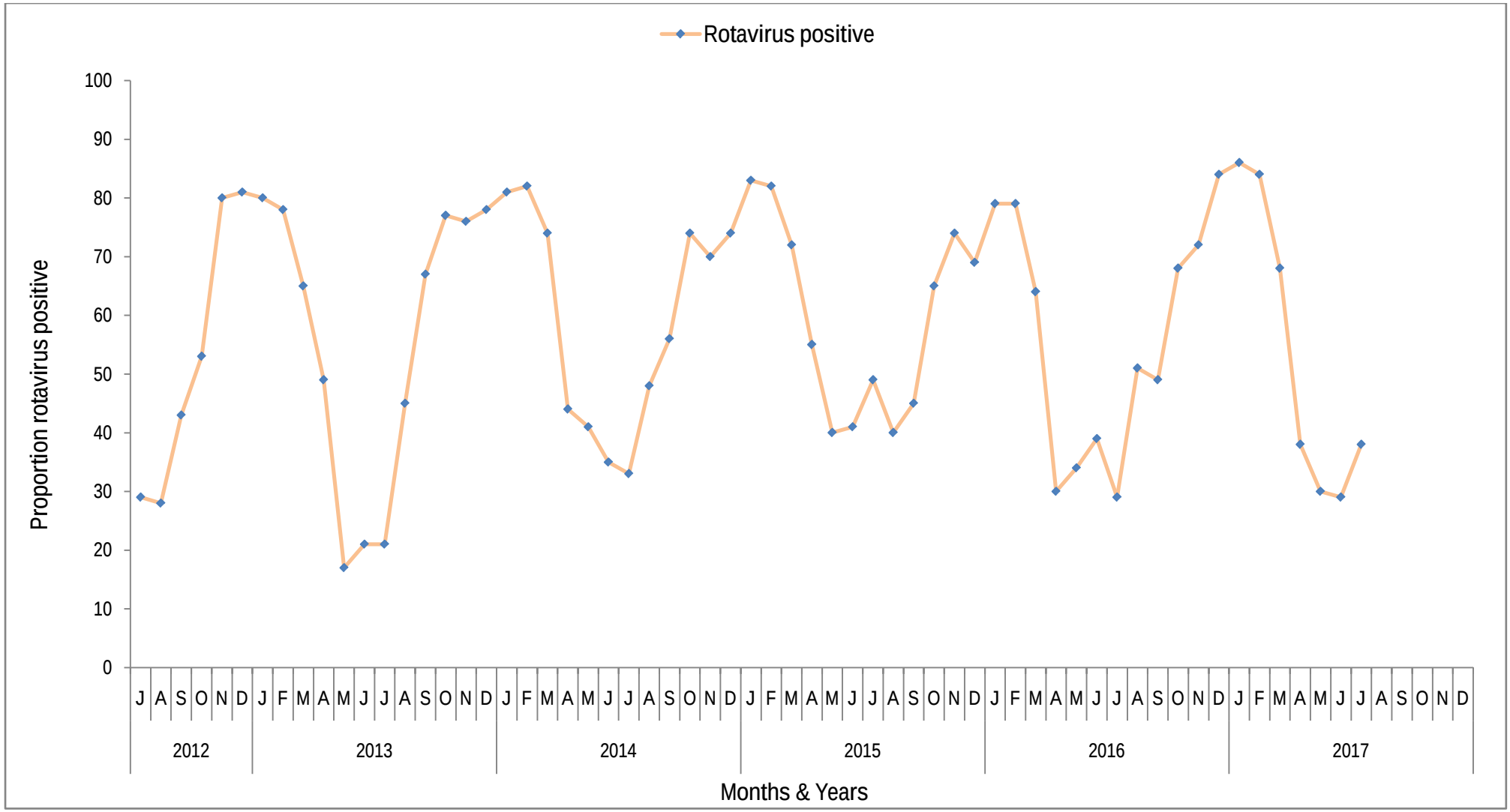
	Rotavirus			Intussusception confirmed *N=08*
	AGE *N=305*	Sampled *N=78*	Positive (%) *N=30*	
Age groups(in months)				
0-5	33	08	02(25%)	02
6-11	127	36	15(42%)	05
12-17	49	21	08(38%)	-
18-23	36	07	03(43%)	01
24-59	60	06	02(33%)	-
Male sex	212	58	17(29%)	07(88%)

¶ Acute Gastroenteritis (AGE) - ≥3 watery or looser-than-normal stools or ≥1 episode of forceful vomiting, within a 24 hour period, with symptoms lasting ≤7 days

Ŧ Every 4th suspected cases (in case of LAMB hospital every patient)

⌖ Child under 2 years who is admitted in selected hospitals & meet the Level 1 or 2 or 3, Brighton Collaboration diagnostic criteria (either by clinical/surgical and/or radiological and/or autopsy criteria)

☞ Proportion of hospitalized acute gastroenteritis cases with evidence of rotavirus infection, by months



☞ Proportion of children aged <5 years with acute gastroenteritis (AGE) with evidence of rotavirus infection including number of death and number of intussusception cases aged <2 years, by hospital
July'12- July'17

Hospital name	Rotavirus				Intussusception confirmed
	AGE	Sampled	Positive (%)	Rotavirus associated deaths	
RMCH	8,961	2,235	1,367(61%)	03	120
JIMCH	4,640	1,159	772(67%)	01	15
JRRMCH	5,119	1,271	839(66%)	-	43
LAMB	178	142	89(63%)	01	-
BBMH	1,607	398	264(66%)	-	06
JGH	2,545	629	350(56%)	-	01
SBMCH	6,091	1,521	983(65%)	-	26
RpMCH	1,155	285	198(69%)		08
Cumulative Total	30,296	7,640	4,862(64%)	05	219